



Metro Louisville Capital Improvement Program Fiscal Year 2003 - 2004

AGENCY: Emergency Management Agency
PROJECT TITLE: Warning Siren Controller Conversion
PROJECT NUMBER: 405
SCHEDULED to START: July 2003
SCHEDULED to END: June 2008

PROJECT FUNDING	Funded 2002 - 2003	<i>Funded</i> 2003 - 2004	Projected 2004 - 2005	Projected 2005 - 2006	Projected 2006 - 2007	Projected 2007 - 2008	TOTAL
Capital Reserve		50,000	50,000	50,000	50,000	50,000	250,000
Municipal Aid Program							-
County Road Aid Program							-
State							-
Federal: <i>List Below</i>							-
CDBG							-
TEA							-
Other							-
Agency: <i>List Below</i>							-
Program Fees							-
Donations							-
Other							-
TOTAL	-	50,000	50,000	50,000	50,000	50,000	250,000

PROJECT COST	Funded 2002 - 2003	<i>Funded</i> 2003 - 2004	Projected 2004 - 2005	Projected 2005 - 2006	Projected 2006 - 2007	Projected 2007 - 2008	TOTAL
Property Acquisition							-
Construction		12,000	12,000	12,000	12,000	12,000	60,000
Equipment		38,000	38,000	38,000	38,000	38,000	190,000
Personnel							-
Professional Services							-
Other							-
TOTAL	-	50,000	50,000	50,000	50,000	50,000	250,000

Description and Location:

There are approximately 120 outdoor warning system sirens located throughout Louisville and Jefferson County. Sirens are being added to fill-in holes in the network as population expands into previously undeveloped areas. There is also on-going work to upgrade and replace old receivers and analog controllers with new digital units to improve reliability and reduce false soundings.

Funds are requested to complete replacement of very old Thunderbolt siren units still in service, to replace unreliable units in the network, and proceed with slow expansion in areas of the county experiencing growth or where there still may be holes in coverage. There are also funds allocated in each year to cover repair parts, replace deteriorating poles, and replacement components.

Purpose and Justification:

Expansion of the system into areas that are seeing new development, or have not had adequate coverage, and the replacement of sirens that are over 30 years old are priorities. During the Compact years, emphasis was on expansion, and replacement was only done as failures occurred and funds allowed. A high priority has been to upgrade the old analog controller system to a new digital format to improve reliability and reduce false soundings. This is not intended to be an indoor warning system; NOAA weather radios have been promoted for that purpose.

It costs about \$14,000 per siren to install a new siren. Most of the approximately 45 old Thunderbolt units are mounted on elevated platforms built around telephone poles that are showing signs of deterioration. This plan spreads the cost out over six (6) years, and allocates about \$5,000 a year for routine maintenance and replacement expenses.